ECE-345-001 (Fall 2020) ⌄

Review Test Submission: Quiz 2.3

User	David Kirby
Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 2.3
Started	8/24/20 7:59 PM
Submitted	8/24/20 8:01 PM
Status	Completed
Attempt Score	4 out of 4 points
Time Elapsed	1 minute
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

True or false? Laplace transforms can be used to solve differential equations.

Selected Answer: True

Question 2

1 out of 1 points

True or false? Laplace transforms can be used to find transfer functions.

Selected Answer: True

Question 3

1 out of 1 points

Consider the dynamical system described by $\dot{y} = -5y + u$, with output y and input u. Using the Laplace transform, which of the following represents the transfer function?

You may presume all initial conditions are 0.

Selected Answer:

$$\frac{Y(s)}{U(s)} = \frac{1}{s+5}$$

Question 4

1 out of 1 points

Which of the following transfer functions is NOT in proper form?

Selected Answer:

$$G(s) = \frac{s+3}{2s^2 + 3s + 4}$$

Wednesday, September 30, 2020 11:19:45 AM MDT

← OK